

1 **CLAIMS:**

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3 What is claimed is:

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5 1. A tie-down device, comprising
6 a first member having a bottom panel;
7 a first extended region emanating from said bottom panel;
8 an affixing means for attaching said bottom panel to a member received on said bottom
9 panel; and

10 an anchoring means for affixing said first extended region to a structure in a steadfast
11 manner.

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13 2. The device of Claim 1, wherein a second extended region emanates from said bottom
14 panel in a direction opposing said first extended region, and a second anchoring means affixing
15 said second extended region to a structure in a steadfast manner.

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17 3. The device of Claim 2, wherein a first panel emanates from said bottom panel in a
18 substantially perpendicular fashion therefrom; said first panel receiving said affixing means
19 therethrough, thereby affixing said first panel to said member in a secure manner.

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21 4. The device of Claim 2, wherein a first panel emanates from said bottom panel in a
22 substantially perpendicular fashion therefrom, and a second panel emanates from said bottom
23 panel in opposing relation to said first panel such that a guide is created therebetween for

1 receiving said member, and at least one of said affixing means attaches said first panel to a first
2 face of said member and at least one of said affixing means attaches said second panel to a
3 second face of said member.

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5 5. The device of Claim 4, wherein said member is a wood beam.

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7 6. The device of Claim 4, wherein said member is selected from a group consisting of a
8 truss and a gable end truss.

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10 7. The device of Claim 4, wherein said affixing means is selected from a group
11 consisting of a nail, a threaded element, a nut and bolt apparatus.

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13 8. The device of Claim 4, wherein said first member is constructed of metal.

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15 9. The device of Claim 4, wherein said structure is a preform wall containing a curable
16 material, said anchoring means passing through an aperture in each of said first and second
17 extended regions and being received and bound within said curable material.

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19 10. A tie-down system, comprising:
20 a second member having a bottom plate;
21 an extended section emanating from said bottom plate in a substantially similar plane;
22 an affixing means for attaching said second member to a member resting on said bottom
23 plate; and

1 an anchoring means for affixing said first extended section to a structure in a steadfast
2 manner.

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4 11. The system of Claim 10, wherein a first sheet extends in a vertical direction from a
5 first border of said extended section, and a third sheet extends from said first sheet in a
6 perpendicular fashion, said affixing means attaching said third sheet to said member in a secure
7 manner.

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9 12. The system of Claim 10, further comprising:
10 a first sheet extends in a vertical direction from a first border of said extended section and
11 a second sheet extends in a vertical direction from a second border of said extended section;
12 a third sheet extending from said first sheet in a perpendicular fashion, said affixing
13 means attaching said third sheet to said member in a secure manner;
14 a fourth sheet extending from said second sheet in a perpendicular fashion, said affixing
15 means attaching said fourth sheet to said member in a secure manner.
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17 13. The system of Claim 11, wherein at least a hole is defined by said extended section
18 and receives an elongated portion of said anchoring means therethrough and anchors said second
19 member to said structure in a steadfast manner.

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21 14. The system of Claim 12, wherein at least a first plate emanates from said bottom
22 plate in a vertical direction and is distal to said extended section such that a first channel is
23 defined by said first plate, said bottom plate, said third sheet and said fourth sheet, and said

1 member being received within said channel.

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3 15. The system of claim 14, wherein said first plate is connected to said first member by
4 at least one of said affixing means.

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6 16. The system of claim 14, wherein said structure is a preform wall containing a curable
7 material, said anchoring means passing through said hole is received and bound within said
8 curable material.

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10 17. The system of claim 14, wherein said second member is constructed of a metal.

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12 18. The system of claim 14, wherein said member is selected from a group consisting of
13 a truss and a gable end truss.

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15 19. A method for attaching trusses to a preform wall structure having an outer wall
16 and an inner wall wherein a curable material is poured therebetween, the method comprising:

17 providing a first member having a bottom panel;

18 providing a first extended region from said bottom panel;

19 providing a first panel attached to said bottom panel;

20 placing said truss upon said bottom panel;

21 attaching said first panel to said truss with an affixing means;

22 anchoring said first extended region to said curable material with an anchoring means.

- 1 20. The method of claim 19, further comprising the steps of:
- 2 defining an aperture within said extended region;
- 3 inserting an elongated portion of said anchoring means through said aperture and into
- 4 said curable material;
- 5 engaging a head portion of said anchoring means upon said extended region.